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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/764,956	01/17/2001	Murli D. Satagopan	MS1-678US	6992

7590 10/12/2005

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EXAMINER
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NGUYEN, DUSTIN

ART UNIT	PAPER NUMBER
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2154

DATE MAILED: 10/12/2005

Please find below and/or attached an Office communication concerning this application or proceeding.

**Office Action Summary**

Application No.

09/764,956

Applicant(s)

SATAGOPAN ET AL.

Examiner

Dustin Nguyen

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-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --  
Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
  - If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
  - Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133).
- Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

**Status**

- 1) ☒ Responsive to communication(s) filed on 14 July 2005.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

**Disposition of Claims**

- 4) ☒ Claim(s) 1-4, 7, 8, 15-23, 26, 27, 38, 40-44 and 53 is/are pending in the application.
- 4a) Of the above claim(s) \_\_\_\_\_ is/are withdrawn from consideration.
- 5) ☐ Claim(s) \_\_\_\_\_ is/are allowed.
- 6) ☒ Claim(s) 1-4, 7, 8, 15-23, 26, 27, 38, 40-44 and 53 is/are rejected.
- 7) ☐ Claim(s) \_\_\_\_\_ is/are objected to.
- 8) ☐ Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

**Application Papers**

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on \_\_\_\_\_ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
- Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
- Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

**Priority under 35 U.S.C. § 119**

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some \* c) ☐ None of:
- ☐ Certified copies of the priority documents have been received.
  - ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
  - ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

\* See the attached detailed Office action for a list of the certified copies not received.

**Attachment(s)**

- |   |   |
|---|---|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892)             | 4) <input type="checkbox"/> Interview Summary (PTO-413)                     |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948)    | Paper No(s)/Mail Date. _____  |
| 3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08) | 5) <input type="checkbox"/> Notice of Informal Patent Application (PTO-152) |
| Paper No(s)/Mail Date _____   | 6) <input type="checkbox"/> Other: _____                                    |

### **DETAILED ACTION**

1. Claims 1-4, 7, 8, 15-23, 26, 27, 38, 40-44 and 53 are presented for examination.

#### ***Continued Examination Under 37 CFR 1.114***

2. A request for continued examination under 37 CFR 1.114, including the fee set forth in 37 CFR 1.17(e), was filed in this application after final rejection. Since this application is eligible for continued examination under 37 CFR 1.114, and the fee set forth in 37 CFR 1.17(e) has been timely paid, the finality of the previous Office action has been withdrawn pursuant to 37 CFR 1.114. Applicant's submission filed on 07/14/2005 has been entered.

#### ***Claim Rejections - 35 USC § 103***

3. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

4. Claims 1-4, 7, 15-23, 26, 27, 38, 40-44 and 53 are rejected under 35 U.S.C. 103(a) as being unpatentable over Zamanzadeh et al. [ US Patent No 6,535,917 ], in view of Pandya et al. [ US Patent No 6,671,724 ].

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5. As per claim 1, Zamanzadeh discloses the invention substantially as claimed including a network system, comprising:

a network server configured to maintain network access information corresponding to users authorized to access the network system [ i.e. master entitlement processor system ] [ 102, 103, Figure 1; and col 6, lines 1-34 ];

a domain controller remotely located from the network server at a remote network site [ i.e. market data servers of the domain ] [ 140, 142, Figure 1; and col 5, lines 14-43 and lines 56-67 ] and communicatively linked with the network server [ i.e. MDS communicates with MEP ] [ 136, 138, Figure 1; and col 5, lines 20-24 and lines 63-67 ], the domain controller configured to locally administrate access to the network system [ i.e. users are logged into MDS of the branch office domain ] [ col 5, lines 45-55 ]; and

the domain controller further configured to:

track individual users that request access to the network system via the domain controller at the remote network site [ i.e. user tracking instructions that cause each server computer in the domain to keep track of the user ] [ col 5, lines 6-8; and col 16, lines 22-26 ], the domain controller configured to track a user by identifying the remote network site where the user requests the access [ col 11, lines 61-col 12, lines 2 ] and monitoring when the network access information is cached for the user that requests the access [ i.e. locally cache ] [ 168, Figure 3; and col 8, lines 15-33 ];

receive a first network access request from the user [ i.e. PC sends login request to MDS ] [ S2, Figure 6; and col 11, lines 20-24 ] and validate the first network access request with the network access information maintained at the network server when the network access

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information is not cached at the domain controller [ i.e. validate user from local cache ] [ S7, Figure 6; and col 11, lines 52-56 ];

cache the network access information [ i.e. MEP sends requested information to MDS and stores in local cache ] [ S8, Figure 6; and col 11, lines 57-60 ]; and

receive a second network access request from the user and validate the second network access request with the network access information cached at the domain controller [ i.e. repeat login request ] [ S12, Figure 6; and col 11, lines 11-30 and lines 52-59 ].

Zamanzadeh does not specifically disclose

recording a time at which the request is made.

Pandya discloses

recording a time at which the request is made [ i.e. timestamp ] [ col 12, lines 17-28 ].

It would have been obvious to a person skill in the art at the time the invention was made to combine the teaching of Zamanzadeh and Pandya because Pandya's teaching of timestamp would allow to provide up to date information in a communication network.

6. As per claim 2, Zamanzadeh discloses wherein the domain controller is further configured to cache the network access information only for the individual users that request access to the network system from the domain controller at the remote network site [ i.e. specific user currently in communication with the UCS ] [ Figure 4; and col 14, lines 1-8 ].

7. As per claim 3, Zamanzadeh discloses wherein the domain controller is further configured to update the network access information at the domain controller for the individual

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users that request access to the network system from the domain controller at the remote network site [ i.e. update information ] [ col 7, lines 60-col 8, lines 5; and col 8, lines 44-55 ].

8. As per claim 4, Zamanzadeh discloses wherein the domain controller is further configured to update the network access information at the domain controller for the individual users that request access to the network system from the domain controller at the remote network site within a defined time interval [ i.e. time synchronization or local cache is check daily ] [ col 7, lines 30-34; and col 8, lines 25-33 ].

9. As per claim 7, Zamanzadeh does not specifically disclose wherein the domain controller is further configured to validate the second network access request with the network access information cached at the domain controller if the second network access request is within a defined time interval. Pandya discloses the domain controller is further configured to validate the second network access request with the network access information cached at the domain controller if the second network access request is within a defined time interval [ i.e. tracking and monitoring resource status ] [ Figure 12; and col 19, lines 45-56 ]. It would have been obvious to a person skill in the art at the time the invention was made to combine the teaching of Zamanzadeh and Pandya because Pandya's teaching would allow to reduce unnecessary and frustrating access attempts to unavailable resources [ Pandya, col 19, lines 46-48 ].

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10. As per claim 15, it is rejected for similar reasons as stated above in claims 1 and 3.

Furthermore, Zamanzadeh discloses a global information server and a remote server [ 103, 135, Figure 1; and col 5, lines 44-col 6, lines 12 ].

11. As per claim 16, it is rejected for similar reasons as stated above in claim 4.

12. As per claim 17, it is rejected for similar reasons as stated above in claim 7.

13. As per claim 18, it is rejected for similar reasons as stated above in claim 1.

14. As per claim 19, it is rejected for similar reasons as stated above in claim 7.

15. As per claims 20 and 21, they are method claimed of claim 1, they are rejected for similar reasons as stated above in claim 1.

16. As per claim 22, Zamanzadeh discloses updating the network access information at the second site for the individual users that periodically request access to the network from the second network site [ col 7, lines 24-29 ].

17. As per claim 23, it is method claimed of claim 4, it is rejected for similar reasons as stated above in claim 4.

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18. As per claim 26, it is method claimed of claim 7, it is rejected for similar reasons as stated above in claim 7.

19. As per claim 27, it is program product claimed of claim 20, it is rejected for similar reasons as stated above in claim 20.

20. As per claim 38, it is method claimed of claims 1, 3, 4, it is rejected for similar reasons as stated above in claims 1, 3 and 4.

21. As per claim 40, it is rejected for similar reasons as stated above in claim 7.

22. As per claim 41, it is rejected for similar reasons as stated above in claims 1, 3 and 4.

23. As per claims 42 and 43, they are rejected for similar reasons as stated above in claims 5 and 7.

24. As per claim 44, it is program product claimed of claim 38, it is rejected for similar reasons as stated above in claim 38.

25. As per claim 53, it is rejected for similar reasons as stated above in claim 1.



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26. Claim 8 is rejected under 35 U.S.C. 103(a) as being unpatentable over Zamanzadeh et al. [ US Patent No 6,535,917 ], in view of Pandya et al. [ US Patent No 6,671,724 ], and further in view of Ali et al. [ US Patent No 5,940,594 ].

27. As per claim 8, Zamanzadeh and Pandya do not specifically disclose wherein:

the network access information comprises identifiers to indicate network group memberships that an individual user is a member of in the network system; and

the domain controller is further configured to maintain user objects associated with the individual users that request access to the network system from the domain controller, and cache the identifiers to the user objects; and

the network server is further configured to replicate a partial copy of the user objects from the domain controller such that the replicated partial copy of the user objects can be used to identify the network group memberships for the individual user.

Ali discloses wherein:

the network access information comprises identifiers to indicate network group memberships that an individual user is a member of in the network system [ col 2, lines 3-18; and col 5, lines 48-55 ]; and

the domain controller is further configured to maintain user objects associated with the individual users that request access to the network system from the domain controller, and cache the identifiers to the user objects [ Abstract; and col 2, lines 19-26 ]; and

the network server is further configured to replicate a partial copy of the user objects from the domain controller such that the replicated partial copy of the user objects can be used

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to identify the network group memberships for the individual user [ i.e. cache server stores an instance of an object ] [ col 5, lines 14-20 ].

It would have been obvious to a person skill in the art at the time the invention was made to combine the teaching of Zamanzadeh, Pandya and Ali because Ali's teaching would allow to improve storage space and reduce transmitting of large amount of information.

28. A shortened statutory period for response to this action is set to expire **3 (three) months and 0 (zero) days** from the mail date of this letter. Failure to respond within the period for response will result in **ABANDONMENT** of the application (see 35 U.S.C 133, M.P.E.P 710.02, 710.02(b)).

### *Conclusion*

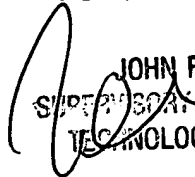
Any inquiry concerning this communication or earlier communications from the examiner should be directed to Dustin Nguyen whose telephone number is (571) 272-3971. The examiner can normally be reached on flex.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Follansbee John can be reached on (571) 272-3964. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

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Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Dustin Nguyen  
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